

# INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/GB 03/03432

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 811 841 A (ENDRESS + HAUSER CONDUCTA GESELLSCHAFT FÜR MESS- U. REGELTECHNIK) 10 December 1997 (1997-12-10)	1-3,5, 8-10
A	column 7, line 30 -column 8, line 53 column 12, line 47 -column 14, line 36; figures 3,15-19	4,6,7,11
Y	GB 2 371 860 A (STONES J M) 7 August 2002 (2002-08-07)	1-3,5, 8-10
A	page 5, line 25 -page 9, line 8; figures	6,7
A	EP 1 031 833 A (NGK SPARK PLUG CO) 30 August 2000 (2000-08-30) paragraph '0051! - paragraph '0054!; figure 6	1-4,8-11
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search

4 November 2003

Date of mailing of the international search report

12/11/2003

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 319 933 A (DRAEGERWERK)  14 June 1989 (1989-06-14)  cited in the application  column 3, line 46 - column 5, line 13;  figures</p>	1-3, 8-10

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			CA 2207117 A1	06-12-1997
			JP 10068711 A	10-03-1998
GB 2371860	A	07-08-2002	NONE	
EP 1031833	A	30-08-2000	JP 2000241382 A	08-09-2000
			EP 1031833 A2	30-08-2000
			US 6453723 B1	24-09-2002
EP 0319933	A	14-06-1989	DE 3741454 A1	22-06-1989
			EP 0319933 A2	14-06-1989